

ERP Grants Awarded By Directed Action – 2002-2003

Proposal Number: 13DA

Applicant Organization: California Department of Fish and Game

Proposal Title: *Distribution and Relationship of Resident and Anadromous Central Valley Rainbow Trout*

Funds awarded: \$158,756

Description: The project will evaluate the distribution and relationship of resident and anadromous rainbow trout in the Central Valley by sampling and assaying their ear bones.

Proposal Number: 29DA

Applicant Organization: California State Coastal Conservancy

Proposal Title: *Big Break and Marsh Creek Water Quality and Habitat Restoration Program*

Funds awarded: \$357,146

Description: The project will produce a plan to restore habitat and improve water quality on Marsh Creek, a tributary to Dutch Slough in eastern Contra Costa County.

Conditions: The Selection Panel recommends providing \$100,000 for restoration planning, in collaboration with the Dutch Slough planning effort; and funding Task 6, public outreach, education, and watershed planning (\$257,146).

Proposal Number: 30DA

Applicant Organization: California State Coastal Conservancy

Proposal Title: *Dutch Slough Tidal Marsh Restoration Project*

Funds awarded: \$25,050,000

Description: The project is the purchase of 1,166-acres adjacent to Dutch Slough in Contra Costa County, and planning for its restoration to tidal marsh.

Proposal Number: 31DA

Applicant Organization: California Coastal Conservancy

Proposal Title: *Napa-Sonoma Marsh Restoration Project*

Funds awarded: \$4,511,400

Description: The project will manage salinity and begin restoration of 3000 acres of former Napa River salt ponds owned by the Department of Fish and Game.

Conditions: The applicants are expected to cooperate with researchers and others engaged in assessing the effects of wetland restoration on mercury in the estuary. This should include collaboration, to the extent practicable, with efforts to both experimentally assess these impacts and monitor the accumulation of mercury in fish using the restored areas.

Proposal Number: 32DA

Applicant Organization: California State Reclamation Board

Proposal Title: *Two-Dimensional Detailed Hydraulic Model for Determining Flood Conveyance Impacts of Ecosystem Restoration Projects in the Yolo Bypass*

Funds awarded: \$500,257

Description: The project will create a hydraulic model that can be used to evaluate the impact of habitat restoration projects and other alterations of the Yolo Bypass.

Conditions: None

Proposal Number: 53DA

Applicant Organization: Deer Creek Watershed Conservancy

Proposal Title: *Lower Deer Creek Restoration and Flood Management: Feasibility Study and Conceptual Design*

Funds awarded: \$1,519,200

Description: The project will evaluate the potential to improve management of lower Deer Creek's floodplain, including potentially setting back its levees, to improve salmon habitat and reduce flood damage.

Conditions: None

Proposal Number: 59DA

Applicant Organization: Ducks Unlimited

Proposal Title: *White Mallard Dam and Associated Diversions - Phase III Construction*

Description: The project will upgrade Butte Creek's White Mallard Dam with a fish ladder and new water control structures.

Funds awarded: \$753,415

Conditions: Funding should only be for those costs associated with constructing the White Mallard Dam upgrade (task 3.1, total cost of \$669,269), including appropriate levels of funding for project management (task 1.0, total cost of \$72,904 for managing 5 construction tasks, only one of which is recommended for funding) and bidders package (task 2.0, total cost of \$11,242 for bidding 5 construction tasks, only one of which is recommended for funding). Total cost is expected to be less than \$753,415.

Proposal Number: 89DA

Applicant Organization: M&T Chico Ranch

Proposal Title: *M&T/Llano Seco Fish Screen Facility - Short-Term/Long-Term Protection Project*

Description: The project is designed to achieve short-term protection for the M&T/Llano Seco Fish Screen Facility and the City of Chico's Wastewater Treatment Plant outfall from sediment depositions while a long-term solution to sediment deposition problems there is developed. The project would fund dredging to maintain this gravel bar at its 1995 size and planning to develop a long term solution that resolves the diversion's sedimentation problems and maintains the river's meander.

Funds awarded: \$636,650

Conditions: Funding should be for one year for those costs associated with forming a Steering Committee and further developing the long-term planning study, with funds set aside to address the short-term fix (likely covered by tasks 1 through 7, totaling \$636,650).

Proposal Number: 96DA

Applicant Organization: Natomas Mutual Water Company

Proposal Title: *American Basin Fish Screen and Habitat Improvement Project*

Description: The project is the construction of a fish screen at a Sacramento River water diversion.

Funds awarded: \$12,600,000

Conditions: (1) Funds for land acquisition shall not be disbursed until the land acquisition is shown to be consistent with CALFED guidelines. (2) Giant garter snake issues need to be resolved during the planning and permitting phase, and prior to the disbursement of funds for construction

Proposal Number: 116DA

Applicant Organization: Reclamation District 108

Proposal Title: *Reclamation District No. 108 Consolidated Pumping Facility and Fish Screen*

Description: The project completes the design, environmental documentation and permitting for a fish screen at a Sacramento River water diversion.

Funds awarded: \$630,000

Conditions: None

Proposal Number: 150DA

Applicant Organization: Solano Land Trust (formerly the Solano County Farmlands and Open Space Foundation)

Proposal Title: *Restoring Ecosystem Integrity in the Northwest Delta: PHASE II*

Funds awarded: \$1,563,506

Description: The project will acquire conservation easements to secure sensitive areas along the Delta's Barker Slough and will evaluate the feasibility of restoring tidal marsh and improving habitat there at the Department of Fish and Game's Calhoun Cut Ecological Reserve.

Conditions: None

Proposal Number: 158DA

Applicant Organization: Stillwater Sciences

Proposal Title: *Merced River Corridor Restoration Plan Phase IV: Dredger Tailings Reach*

Description: The project is planning of a channel and floodplain restoration project for the Merced River's Dredger Tailings Reach.

Funds awarded: \$2,192,515

Conditions: None

Proposal Number: 159DA

Applicant Organization: Stillwater Sciences

Proposal Title: *Physical modeling experiments to guide river restoration projects*

Description: The project will build physical models of river restoration at the University of California's Richmond Field Station to test restoration designs and evaluate their potential effects.

Funds awarded: \$2,488,003

Conditions: None

Proposal Number: 166DA

Applicant Organization: The Nature Conservancy

Proposal Title: *Battle Creek Protection and Stewardship*

Description: The project is the purchase of conservation easements on three ranches in the Battle Creek watershed, fence and restore creeksides and other sensitive habitats there, and monitor these actions' effects.

Funds awarded: \$2,206,625

Conditions: None

Proposal Number: 170DA

Applicant Organization: The Nature Conservancy

Proposal Title: *Restoration of the Confluence Area of the Sacramento River, Big Chico and Mud Creeks*

Description: The project is the acquisition of 271 acres of flood-damaged orchard and planning to restore them and an adjacent orchard already owned by TNC to channel and floodplain habitat.

Funds awarded: \$2,603,377

Conditions:

1. As part of the outreach effort, the project proponents are directed to continue coordinating with the Sacramento River Conservation Area Forum Board of Directors and its Technical Advisory Committee.
2. Project proponents are directed to continue working with Butte County officials, especially with regard to the management of flood waters and floodplains, and land use issues.
3. Project proponents are directed to work interactively with the ERP and Science Program as Task 2 products are developed. Specifically, the project proponents should seek review and advice on methodology, work plans, draft and completed reports for the baseline assessment and restoration plans.
4. To the extent feasible, land use of the acquired parcels should not be actively changed prior to the completion of the restoration planning process.

5. Issues raised by the Williamson Act contract on one of the parcels to be purchased shall be addressed and resolved in the restoration planning process, including consultation with the Department of Conservation.
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Proposal Number: 174

Applicant Organization: The Water Forum

Proposal Title: *Lower American River Temperature Reduction Modeling Project*
(formerly the *Lake Natoma Temperature Curtains Pilot Project*)

Description: The project will develop models to evaluate potential structural improvements to reduce late-summer and fall water temperatures to benefit the lower American River's fall-run Chinook salmon.

Funds awarded: \$466,082

Conditions: None

Proposal Number: 181DA

Applicant Organization: Turlock Irrigation District

Proposal Title: *Tuolumne River Mining Reach Restoration Project: Warner-Deardorff Segment No. 3 –Construction*

Description: The overall Mining Reach Project is restoration on a 6.1-mile reach of the Tuolumne River below La Grange Dam. The Warner-Deardorff Segment represents the third element being reconstructed in the Mining Reach, restoring 73 acres of riparian floodplain habitat and 1.3 miles of in-channel riverine habitat for fall run Chinook salmon, including completion of the easement acquisition, permitting for construction, construction, riparian revegetation, and post project monitoring.

Funds awarded: \$10,839,000

Conditions:

1. The applicant will meet with the ERP staff to discuss in more detail the issues to be addressed in a revised proposal.
 2. Based on this feedback, the applicant will prepare a newly revised proposal.
 3. This proposal will be reviewed by the Adaptive Management Forum for Large-Scale Channel Restoration (AMF).
 4. The AMF will provide feedback to the ERP staff on whether the revised proposal has sufficiently addressed the experimental design and adaptive management issues.
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Proposal Number: 185DA

Applicant Organization: University of California Sea Grant Extension Program
Proposal Title: *West Coast Ballast Outreach Project*

Description: The project will continue to train for mariners to manage ballast to reduce discharges of invasive aquatic organisms

Funds awarded: \$478,395

Conditions: None

Proposal Number: 193DA

Applicant Organization: University of California, Davis

Proposal Title: *Biological Assessment of Green Sturgeon in the Sacramento San Joaquin Watershed*

Description: The project continues research about green sturgeon.

Funds awarded: \$998,222

Conditions: None

Proposal Number: 205DA

Applicant Organization: University of California, Davis

Proposal Title: *Invasion dynamics of perennial pepperweed, *Lepidium latifolium*, and their consequences for protection of natural and restored wetlands in the San Francisco Estuary*

Description: The project is research to improve eradication and control programs for pepperweed, a weed invading marshes and streamsides.

Funds awarded: \$178,701

Conditions: The project's field sampling effort should be broadened to ensure that it accurately documents the impacts of the various environmental factors on perennial pepperweed.

Proposal Number: 230DA

Applicant Organization: US Fish and Wildlife Service

Proposal Title: *Recovery Implementation for Riparian Brush Rabbit and Riparian Woodrat on the Lower Stanislaus River*

Description: The project will restore riparian habitats along the lower Stanislaus and the San Joaquin Rivers, adjacent to Caswell State Park and the San Joaquin River National Wildlife Refuge, to support endangered brush rabbits. The Department of Parks and Recreation will join the Fish and Wildlife Service in carrying out the project.

Funds awarded: \$6,427,131

Conditions: None

Proposal Number: 256DA

Applicant Organization: Yolo Basin Foundation

Proposal Title: Pacific Flyway Center Initial Planning

Description: The project is planning for a Yolo basin interpretive and environmental education center.

Funds awarded: \$334,021

Conditions: This project must be closely coordinated with the California Department of Fish and Game and the Wildlife Conservation Board. The applicant must provide evidence that this proposal is integrated with the proposal submitted to the Wildlife Conservation Board for funding construction of the Pacific Flyway Center. The final decision to fund this proposal will be dependent on and linked to the decision made by the Wildlife Conservation Board.

Proposal Number: 261DA

Applicant Organization: California State Reclamation Board

Proposal Title: *Hamilton City Ecosystem Restoration and Flood Damage Reduction*

Description: The project will study the feasibility setting back existing levees in the Sacramento Valley's Hamilton City area to restore riverside ecosystems and reduce flood damage. It will complete the Hamilton City feasibility study initiated by the Sacramento and San Joaquin River Basin Comprehensive Study.

Funds awarded: \$495,000

Conditions: The State Reclamation Board should work with the ERP and Science Program to identify its independent science review committee. The Reclamation Board should also work with the CALFED Sacramento River Standing Committee (when formed) to provide the planning and evaluation processes for selection of the restoration alternatives to ensure that the final alternative meets ERP goals and approaches.

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